



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #7514**

**REVISION NOTICE #1 - February 19, 2025**

SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on Thursday, February 27, 2025

LOCATION: TRAVERSE CITY MGMT UNIT, 2122 M 37 South, Traverse City, MI 49685

This prospectus has been modified with the following changes.

The sale conditions for the Yogi Gap timber sale (61-101-24) have been updated. Please use the attached sale conditions when bidding on this sale and disregard the original sale conditions sent with the prospectus.

The sale conditions for the Hodge Podge timber sale (61-142-24) have been updated. Please use the attached sale conditions when bidding on this sale and disregard the original sale conditions sent with the prospectus.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Matthew Edison at 906-291-0095.

## Sale Specific Conditions & Requirements

Sale Name: Yogi Gap

Sale Number: 61-101-24 Seq#: 1

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted Boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and blue paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.7 - Leave Tree Marked Unit(s) (6/14)

Within Payment Unit(s) 1 and 2, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any trees marked with green paint above and below stump height. In addition, within Payment Unit 1, do not cut red pine or white pine that are six (6) inches or less at DBH. Further, within Payment Unit 2, do not cut any red pine or white pine that are eight (8) inches or less at DBH.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

### 3 - Payments

#### 3.3 - Pre-measured Sales

##### 3.3.4 - Dividing Payment Units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

**3.4.2 - Special Protection Trees (4/14)**

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$300 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

**4 - Transportation****4.1 - Construction****4.1.6 - Road Construction (4/24)**

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed.

Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

**4.1.7 - Road Closure (10/11)**

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

**5 - Operations****5.1 - Notification****5.1.1 - Pre-sale Conference (10/16)**

A pre-sale conference on site between the Purchaser and Sale Administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 3 days in advance to schedule the conference.

**5.2 - Conduct of Operations****5.2.1 - Slash****5.2.1.8 - Slash Height (12/08)**

No slash or tree tops may exceed 24 inches in height.

**5.2.2 - Hazard Trees/Snags****5.2.2.1 - Den Trees (10/16)**

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

**5.2.3 - Operating Restrictions****5.2.3.4 - Oak Wilt Restriction, No Exceptions (1/18)**

Within the Sale Area, cutting, skidding, hauling, and brushing of access roads are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

**5.2.29 - Shrub Protection (1/20)**

Do not cut or damage hawthorn, witch-hazel, dogwood or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

**5.2.32 - Decking/Landing Restoration (9/13)**

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

**5.2.38 - No Decking Against Live Trees (2/04)**

Cut products may not be decked against unmarked or designated leave trees.

**5.2.39 - ORV Trail/Route Protection (4/18)**

The Kalkaska Trail is an ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

**5.4 - Soil Protection**

**5.4.1 - Rutting Restriction, General (7/16)**

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

**5.4.3 - Erosion Control (12/08)**

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

**5.8 - Protection of Endangered Species**

**5.8.5 - Protection of Raptor Nests (3/13)**

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite evaluation and recommendation can be made, if necessary.

**6 - Safety and Fire Prevention**

**6.2 - Signing**

**6.2.1 - Road Posting (10/20)**

The Purchaser is responsible for posting and maintaining caution signs on M-72 and North Forest Trail prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The purchaser will provide these signs.

**6.2.3 - Recreational Trail Posting (10/20)**

The Purchaser is responsible for posting and maintaining caution signs on Kalkaska Trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

## Sale Specific Conditions & Requirements

Sale Name: Hodge Podge

Sale Number: 61-142-24 Seq#: 1

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted Boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 2, 3, and 5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Unit 3, all aspen and jack pine are designated for cutting, regardless of merchantability, except do not cut those that are marked with orange paint.

##### 2.1.4 - Designated Timber Unit(s) (6/17)

Within Payment Unit(s) 1, 4, and 6, all trees are designated for cutting which meet minimum piece specifications in 2.2 Utilization. In Payment Unit 6, do not cut red and white pine that are less than 14 inches at DBH.

### 3 - Payments

#### 3.3 - Pre-measured Sales

##### 3.3.4 - Dividing Payment Units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within the Sale Area, if more than 15% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the Sale Area that was damaged.

### 4 - Transportation

#### 4.1 - Construction

##### 4.1.3 - Slash and Earthen Piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

##### 4.1.12 - No New Roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

#### 4.2 - Maintenance

4.2.5 - Two Wheel Drive Condition (2/04)

All existing trail roads on and adjacent to the Sale Area must be passable by two-wheel drive traffic for the duration of the sale.

**4.3 - Public Right-of-Way**

4.3.2 - County R-O-W (12/06)

The County must be contacted prior to crossing or harvesting in the County Road R-O-W. This applies to Payment Units 3 and 4, as well as Blue Lake Road SE.

**4.4 - Access**

4.4.3 - Access gate (12/08)

The access gate to Payment Unit 1 must be locked at the completion of each day unless otherwise approved by the Unit Manager or his/her representative.

**5 - Operations**

**5.1 - Notification**

5.1.1 - Pre-sale Conference (10/16)

A pre-sale conference on site between the Purchaser and Sale Administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 3 days in advance to schedule the conference.

**5.2 - Conduct of Operations**

**5.2.1 - Slash**

5.2.1.8 - Slash Height (12/08)

No slash or tree tops may exceed 24 inches in height.

**5.2.2 - Hazard Trees/Snags**

5.2.2.1 - Den Trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

**5.2.3 - Operating Restrictions**

5.2.3.4 - Oak Wilt Restriction, No Exceptions (1/18)

Within Payment Unit(s) 2-6, cutting, skidding, and hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

**5.2.4 - Dead and Down Creation**

5.2.4.4 - Dead and Down Creation, Grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1, 4, and 6, leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These will be evenly scattered throughout the unit. This can be an unmerchantable piece or a full tree. Each log must be clearly identified by a piece of blue flagging.

5.2.32 - Decking/Landing Restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No Decking Against Live Trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

**5.4 - Soil Protection**

5.4.1 - Rutting Restriction, General (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

**5.8 - Protection of Endangered Species**

5.8.3 - Red Shoulder Hawk or Goshawk (1) (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7514**

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on February 27, 2025.**

LOCATION: **TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.**

CONTACT NAME: Matthew Edison

PHONE NUMBER: (906) 291-0095

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, TRAVERSE CITY MANAGEMENT UNIT, for certain timber on the following described lands:

Trophy Fern 2.0 (61-109-25) / T26N, R06W, SEC. 22, SWNW,W1/2NE,SW,N1/2SE,SWSE.

Kalkaska County, Advertised Price \$61,736.95, 125.4 Acres, Aspen, Spruce/Fir/Tamarack.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.



# TIMBER SALE INFORMATION

Trophy Fern 2.0 (61-109-25)

T26N, R06W, SEC. 22.

Kalkaska County (Advertised Price \$61,736.95)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	8.3 MBF	\$ 142.00 / MBF
Black Spruce	10.1 MBF	\$ 2.00 / MBF
Mixed Aspen	53.6 MBF	\$ 118.00 / MBF
Red Maple	35.2 MBF	\$ 122.00 / MBF
Red Pine	45.4 MBF	\$ 129.00 / MBF
White Pine	76.6 MBF	\$ 74.00 / MBF
Pulpwood		
Balsam Fir	243 Cords	\$ 31.50 / Cord
Black Spruce	87 Cords	\$ 11.65 / Cord
Jack Pine	240 Cords	\$ 17.40 / Cord
Mixed Aspen	740 Cords	\$ 22.15 / Cord
Mixed Hardwood	260 Cords	\$ 21.10 / Cord
Red Pine	34 Cords	\$ 53.10 / Cord
White Pine	75 Cords	\$ 24.90 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 18.74 percent. There are an estimated 2,219 cords on this timber sale, plus or minus 416 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

### **BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$4,321.59 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
  - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - (b) The 10% down payment will be credited towards the first unit cut.
  - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	20.8%
02	16.1%
03	36.9%
04	19.6%
05	6.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 04/15/2028.

### **SALE STATISTICS**

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

## SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
175,274	2,219	18.74%	1,803	2,635

## VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
52	34,810	441	50.81%	217	665
56	14,256	180	43.47%	102	259
65	24,019	304	54.50%	138	470
66	69,751	883	29.52%	622	1,144
70	32,438	411	44.07%	230	592
<b>TOTAL:</b>	<b>175,274</b>	<b>2,219</b>		<b>1,309</b>	<b>3,128</b>

## VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
52	19.1	1	19.1
56	28.5	5	28.5
65	20.9	4	20.9
66	38.3	3	38.3
70	18.6	2	18.6
<b>TOTAL:</b>	<b>125.4</b>		<b>125.4</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Spruce	Sawtimber	3.1	MBF	19.1	\$12,821.60
	Red Maple		13.4	MBF		
	White Pine		76.6	MBF		
	Balsam Fir	Pulpwood	51	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	2.5	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	46	<i>Cords</i>		
	Black Spruce		4	Cords		
	Mixed Aspen		48	Cords		
	<i>Quaking Aspen</i>		48	<i>Cords</i>		
	Mixed Hardwood		44	Cords		
	<i>Black Cherry</i>		19	<i>Cords</i>		
	<i>Red Maple</i>		25	<i>Cords</i>		
	White Pine		75	Cords		
	2	Black Cherry	Sawtimber	3.5		
Black Spruce			7.0	MBF		
Mixed Aspen			5.5	MBF		
<i>Quaking Aspen</i>			5.5	<i>MBF</i>		
Red Maple			7.1	MBF		
Balsam Fir		Pulpwood	106	Cords		
<i>Balsam Fir</i>		<i>Sawtimber</i>	3.5	<i>MBF</i>		
<i>Balsam Fir</i>		<i>Pulpwood</i>	99	<i>Cords</i>		
Black Spruce			83	Cords		
Mixed Aspen			104	Cords		
<i>Quaking Aspen</i>			104	<i>Cords</i>		
Mixed Hardwood			62	Cords		
<i>Black Cherry</i>			47	<i>Cords</i>		
<i>Red Maple</i>			15	<i>Cords</i>		
3	Black Cherry	Sawtimber	4.8	MBF	38.3	\$22,801.60
	Mixed Aspen		38.0	MBF		
	<i>B. T. Aspen</i>		16.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		21.9	<i>MBF</i>		
	Red Maple		11.9	MBF		
	Balsam Fir	Pulpwood	80	Cords		
	<i>Balsam Fir</i>		80	<i>Cords</i>		
	Jack Pine		238	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	1.7	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	235	<i>Cords</i>		
	Mixed Aspen		308	Cords		
	<i>B. T. Aspen</i>		75	<i>Cords</i>		
	<i>Quaking Aspen</i>		233	<i>Cords</i>		
	Mixed Hardwood		128	Cords		
	<i>Black Cherry</i>		39	<i>Cords</i>		
	<i>Ironwood</i>		12	<i>Cords</i>		
<i>Red Maple</i>		77	<i>Cords</i>			
4	Mixed Aspen	Sawtimber	8.8	MBF	20.9	\$12,120.05
	<i>B. T. Aspen</i>		2.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		6.2	<i>MBF</i>		
	Red Maple		2.8	MBF		
	Red Pine		45.4	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	<i>Balsam Fir</i>		6	<i>Cords</i>		
	Mixed Aspen		119	Cords		
	<i>B. T. Aspen</i>		7	<i>Cords</i>		
	<i>Quaking Aspen</i>		112	<i>Cords</i>		
Mixed Hardwood		12	Cords			

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	Red Pine		34	<i>Cords</i>		
5	Mixed Aspen	Sawtimber	1.3	MBF	28.5	\$4,049.75
	<i>Quaking Aspen</i>		1.3	<i>MBF</i>		
	Jack Pine	Pulpwood	2	<i>Cords</i>		
	<i>Jack Pine</i>		2	<i>Cords</i>		
	Mixed Aspen		161	<i>Cords</i>		
	<i>Quaking Aspen</i>		161	<i>Cords</i>		
	Mixed Hardwood		14	<i>Cords</i>		
	<i>Black Cherry</i>		14	<i>Cords</i>		
TOTAL:			229.2	MBF		
TOTAL:			1,679	<i>Cords</i>		

## Sale Specific Conditions & Requirements

Sale Name: Trophy Fern 2.0

Sale Number: 61-109-25 Seq#: 1

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted Boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.1 - Clearcut Unit(s) with Unmerchantable Trees (6/14)

Within Payment Unit(s) 3, 4 and 5, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, white pine or trees marked with green paint.

##### 2.1.2 - Clearcut Unit(s) w/o Unmerchantable Trees (8/11)

Within Payment Unit(s) 2, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut cedar, hemlock, white pine or trees marked with green paint. In addition, do not cut balsam fir that are four (4) inches or less at DBH.

##### 2.1.7 - Leave Tree Marked Unit(s) (6/14)

Within Payment Unit(s) 1, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut cedar, hemlock, or trees marked with green paint above and below stump height.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

### 3 - Payments

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

### 4 - Transportation

#### 4.1 - Construction

##### 4.1.6 - Road Construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back

from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

#### 4.1.7 - Road Closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the Sale Administrator for specific details of design and placement.

### 4.2 - Maintenance

#### 4.2.1 - Hauling Restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

#### 4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale Conference (10/16)

A pre-sale conference between the Purchaser and Sale Administrator is required prior to beginning any operations to determine landing and road locations.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.1 - Slash Within Sale Area (9/16)

No trees are to be felled outside the Sale Area, and all slash is to be kept at least 10 feet back from the red paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

##### 5.2.1.8 - Slash Height (12/08)

No slash or tree tops may exceed 24 inches in height.

##### 5.2.1.10 - No Slash in Openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by G0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.3 - Dead and Down Creation, Dead Trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed. In addition, within Payment Units 3, 4, and 5 the Purchaser must create one large top pile (~ 8'x4'x4') for every 2 acres.

#### 5.2.22 - Operating Caution

##### 5.2.22.1 - Operating Caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 and 2, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because of areas of wet ground.

#### 5.2.29 - Shrub Protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

#### 5.2.32 - Decking/Landing Restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

#### 5.2.37 - No Decking Areas (12/08)

No decking is allowed within wildlife openings. These are labeled as G0 on the Timber Sale Map.

#### 5.2.41 - Snowmobile Trail Protection (9/11)

The snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

#### 5.2.43 - Opening Protection (2/21)

No activities are permitted in openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications of the Unit Manager or his/her representative.

### 5.4 - Soil Protection

#### 5.4.1 - Rutting Restriction, General (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

### 5.8 - Protection of Endangered Species

#### 5.8.5 - Protection of Raptor Nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite evaluation and recommendation can be made, if necessary.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road Posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on haul roads prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

#### 6.2.2 - Snowmobile Trail Posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



### TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number <b>61-109-25</b>	Date 10/15/2024	
Scale 1:15,840	Page 1	Of 1

Forest Management Unit Traverse City Mgt Unit	County Kalkaska	Mapped By: Crigier
		Cruised By: Martel & Lewicki

Township 26N	Range 06W	Section(s) and Subdivision(s) Sec. 22 SWNW,W1/2NE,SW,N1/2SE,SWSE;
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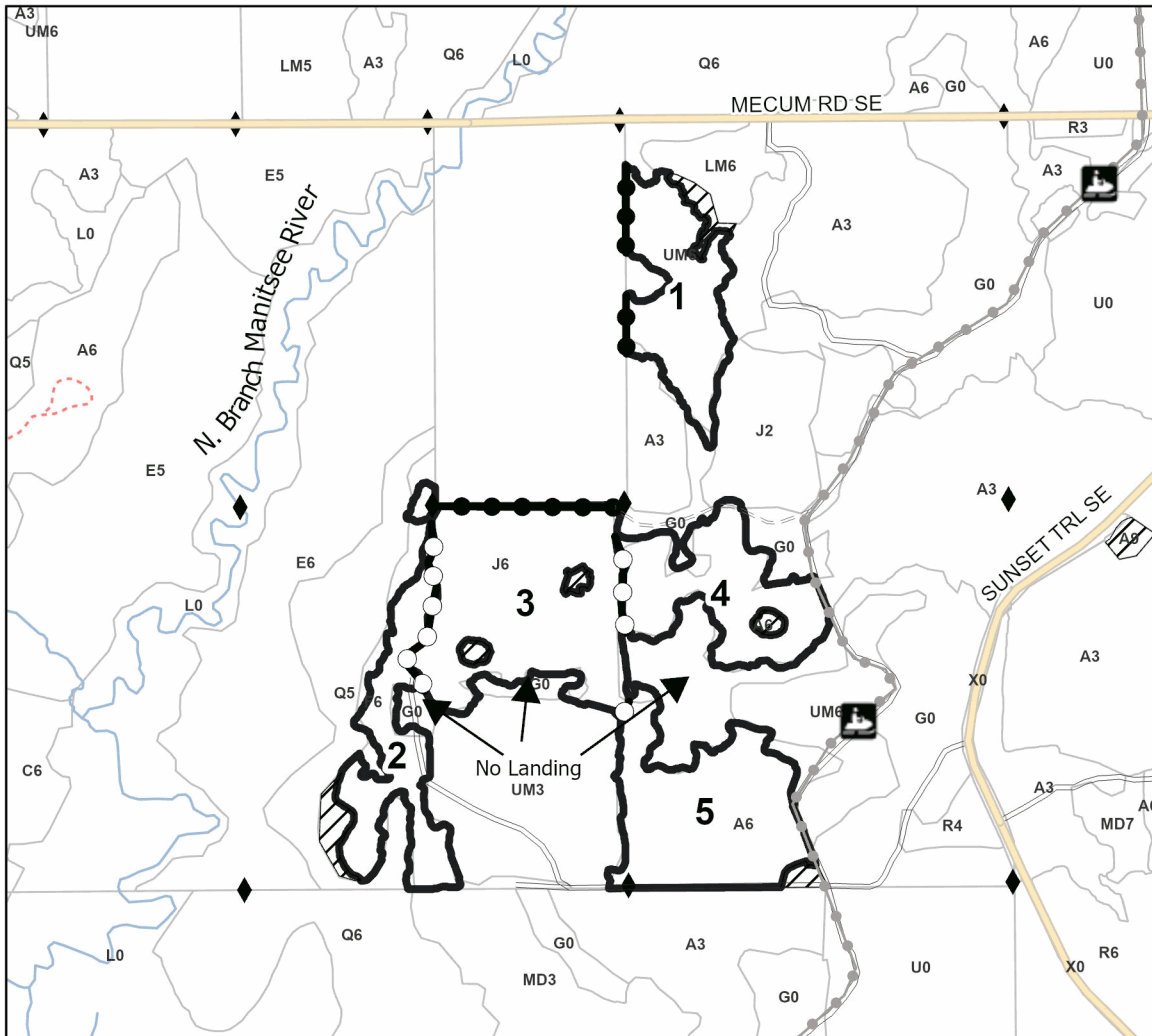
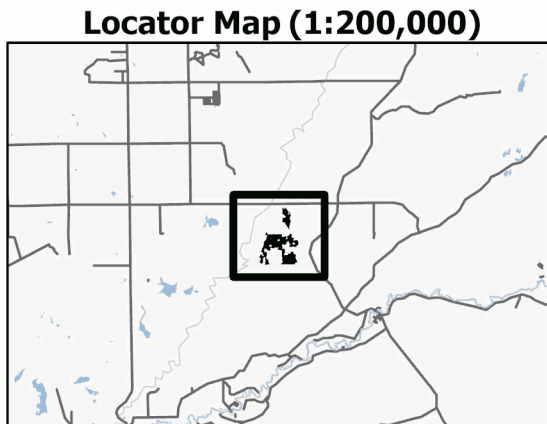
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres
1	19.1
2	18.6
3	38.3
4	20.9
5	28.5

## Trophy Fern 2.0

### 125.4 Acres



### Legend

- Against State (Red)
- Stand
- Retention Areas
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- Gravel Road
- Secondary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road
- Survey Grade Corner

Use QR Code to open Map in App

